SUBJECT INDEX TO VOLUME 115

ABDOMEN, wounds, Prediction of, disruption by use of healing ridge, 72; surgery, Retractor for esophageal hiatus herniorrhaphy by abdominal approach, 361
Abnormalities and deformities, Variations in inferior caval veins and in their renal and lumbar communications, 131; Congenital hypertrophic pyloric stenosis, 403; Cysts and sinuses of first branchial cleft and pouch, 671; Experiences with extracorporeal circulation, 757; Correction of anomalous pulmonary venous drainage to superior vena cava, 770
Acid, Bone electrolyte response to intravenous, loads, 749
Acid-base balance, Increased carbon dioxide tension as factor in acidity of bank blood, 599
Adenocarcinoma, See Carcinoma
Adenoma, See Tumor, adenoma
Adrenals, excision, Endocrine ablation in disseminated mammary carcinoma, 215; Studies on postoperative antidiuresis in adrenalectomized patients, 312
American College of Surgeons, Clinical Congress, 1962, Atlantic City, Preliminary plans for 48th, Convention Hall, 15 through 19 October, 127; 253; 379; 513
Amino acids, Changes in plasma fibrinolytic parameters of subjects with incomplete abortion, 547
Ammonia, Effect of liver arterialization upon, clearance, 704
Ampulla of Vater, Periampullary carcinoma, 342
Anatomy, Variations in inferior caval veins and in their renal and lumbar communications, 131; Intrahepatic arterial, of dog, ed. 353
Anesthesia, Effect of site of operation and type of, upon ability to cough in postoperative period, 295
Aneurysms, aortic, Arterial insufficiency to colon following resection of abdominal, 39
Angiography, Experimental evaluation of new angiographic contrast medium, 187
Antidiuresis, Studies on postoperative, in adrenalectomized patients, 312
Aorta, grafts, Arterial insufficiency to colon following resection of abdominal aortic aneurysms, 39; roentgenography, Technique of intravenous abdominal aortography, 501; abdominal, Intestinal ischemic necrosis following, surgery, 615
Aortic valves, New, for old, ed. 233
Aortography, See Aorta, roentgenography
Appendix, Adenocarcinoma of vermiform, 287; Aseptic closure of appendiceal stump, 508
Arterialization, See Blood, aeration
Arteries, mesenteric, Arterial insufficiency to colon following resection of abdominal aortic aneurysms, 39; carotid, surgery, Technique of, endarterectomy, 114; disease, Lumbar sympathectomy and claudication distance, 303; hepatic, Intrahepatic arterial anatomy of dog, ed. 353; patency, Experimental study of effect of sympathectomy on, of small blood vessel anastomoses, 462; carotid, surgery, Femoral-internal, bypass as adjuvant in, thromboendarterectomy, 505
Ascites, Choice of shunt procedure for cirrhotic patients with variceal bleeding, and hypersplenism, 12
Aspiration, Treatment of, and atelectasis by tracheobronchial lavage, 721
Atelectasis, See Lungs, collapse

BACTERIA, Passage of fluids, cells, and, via direct communications between lymph nodes and veins, 207
Biliary tract, surgery, Maneuvers to facilitate difficult, 35; roentgenography, Relation of cholangiographic findings after cholecystectomy to clinical and surgical findings, 143
Biopsy, Role for frozen sections in carcinoma in situ of cervix, 108
Blood, bank, See Blood, preservation
Blood, cells, See Cancer, dissemination
Blood, coagulation, Plan of heparinization of surgical patient to prevent postoperative thromboembolism, 75; circulation, extracorporeal, coagulation, Heparin rebound phenomenon in extracorporeal circulation, 191; volume, Clinical physiological characterization of new dextran, 199; circulation, Passage of fluids, cells, and bacteria via direct communications between lymph nodes and veins, 207; volume, Evaluation of preoperative, determination in debilitated surgical patient, 257; circulation, extracorporeal, Peripheral venous cannulation in total cardiopulmonary bypass, 276; circulation, Passage of iron-labeled erythrocytes from subarachnoid space, aqueous chamber, and other body cavities of dogs into systemic, 392; coagulation, Changes in plasma fibrinolytic parameters of subjects with incomplete abortion, 547; sodium, Severe postoperative hyponatremia without symptoms of water intoxication, 553; preservation, Increased carbon dioxide tension as factor in acidity of bank, 599; volume, Comparison of effects of several osmotic diuretic agents after acute hemorrhage in dog, 657; Experiences with autotransfusions, 689; aeration, ammonia, Effect of liver arterialization upon, clearance, 704; circulation, Bypass saphenous grafts for relief of venous obstruction of extremity, 709; circulation, extracorporeal, Experiences with, 757
Blood pressure, high, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12; Comparison of experimental portal hypertension in adult dogs and puppies, 327
Blood transfusion, Evaluation of preoperative blood volume determination in debilitated surgical patient, 257; Experiences with autotransfusions, 689
Blood vessels, roentgenography, Experimental evaluation of new angiographic contrast medium, 187; surgery, Calibrated punch useful in end-to-side or side-to-side vascular anastomosis, 235; anastomosis, Experimental study of effect of sympathectomy on patency of small, 462; renal, Anatomic observations on, in man with reference to kidney transplantation, 682
Body, Passage of iron-labeled erythrocytes from subarachnoid space, aqueous chamber, and other, cavities of dogs into systemic circulation, 392
Bone, surgery, Osteotomy of tibia and fibula, 61; electrolyte response to intravenous acid loads, 749
Book Shelf, Dr. John Brown and account of Ailie's operation, 118; Surgical assistant, 245; Richard von Volkmann—Leander, 776
Brain, blood supply, Passage of iron-labeled erythrocytes from subarachnoid space, aqueous chamber, and other body cavities of dogs into systemic circulation, 392; wounds and injuries, Craniocerebral, 428
Branchial apparatus, Cysts and sinuses of first, cleft and pouch, 671
Breast, Cystosarcoma phyllodes of, 29; cancer, Relation of carcinoma of, and pregnancy in 283 patients, 65;

cancer, Endocrine ablation in disseminated mammary carcinoma, 215; cancer, roentgenography, Postoperative detection of, by periodic mammography of remaining, 282; cancer, Prognostic value of circulating tumor cells in patients with, 291; cancer, Endocrine ablation in disseminated mammary carcinoma, 443
Brown, Dr. John, and account of Ailie's operation, 118
Burns, excision, treatment, Management of extensively burned patients by staged excision, 347; Effect of cold water immersion on, edema in rabbits, 557; Effect of hydrostatic pressure on, injury in rabbits, 621

CANCER, chemotherapy, In vivo and in vitro neutralization of nitrogen mustard for use in, perfusion, 91; thyroid, Incidence of, in struma lymphomatosa, 101; cells, classification, Human,—100 varieties, ed. 104; surgery, Total esophagectomy and esophagocoloplasty, 153; dissemination, Endocrine ablation in, mammary carcinoma, 215; chemotherapy, Simplified technique of intra-arterial infusion for regional, 242; detection, Postoperative, of, by periodic mammography of remaining breast, 282; cells, dissemination, prognosis, Prognostic value of circulating tumor, in patients with breast, 291; surgery, Posterolateral neck dissection for malignant neoplasms, 369; surgery, Resection of colon or rectum for malignant neoplasm in patients 80 years of age and older, 385; prolonged skin homograft survival in advanced, and cirrhosis of liver, 399; dissemination, Endocrine ablation in disseminated mammary carcinoma, 443; chemotherapy, Regional arterial, of, of head and neck, 478; surgery, Results of, for, of stomach, 543; statistics, Clinicopathologic study of surgically treated carcinoma of endometrium with nodal metastasis, 568; metastasis, Temporal bone resection and radical neck dissection for basal cell carcinoma with, 585; statistics, Reality of apparent recent decline in stomach, mortality, ed. 768
Carbon dioxide, Increased, tension as factor in acidity of bank blood, 599
Carcinoma, prognosis, Relation of, of breast and pregnancy in 283 patients, 65; rectum, Hemorrhoids and, of, 89; in situ, Role for frozen sections in, of cervix, 108; squamous, Influence of resection on natural history of, of hypopharynx, esophagus, and proximal stomach, 162; mammary, Endocrine ablation in disseminated, 215; Adenocarcinoma, of vermiform appendix, 287; diagnosis, Periampullary, 342; mammary, Endocrine ablation in disseminated, 443; metastasis, Clinicopathologic study of surgically treated, of endometrium with nodal, 568; basal cell, Temporal bone resection and radical neck dissection for, with metastases, 585; surgery, Experiences with primary resection for acute obstruction of large intestine, 593
Cassette holder, to be used in pinning hips, 359
Cecum, Aseptic closure of appendiceal stump, 508
Cells, Passage of fluids, and bacteria via direct communications between lymph nodes and veins, 207
Cerebrum, Craniocerebral injuries, 428
Chemotherapy, Studies of homotransplantation of kidney in dogs treated with experimental cancer chemotherapeutic agent (AB-103), 80; In vivo and in vitro neutralization of nitrogen mustard for use in cancer, perfusion, 91; regional, Simplified technique of intra-arterial infusion for, 242; Regional arterial, of cancer of head and neck, 478
Cholangiography, See Biliary tract, roentgenography
Cholecystectomy, See Gallbladder, excision
Circulation, See Blood, circulation
Cirrhosis, See Liver, cirrhosis
Claudication, Lumbar sympathectomy and, distance, 303
Coccyx, Surgical management of precoccygeal cysts, 449
Collagen, Some aspects of fibrogenesis during healing of primary and secondary wounds, 408
Colon, blood supply, Arterial insufficiency to, following resection of abdominal aortic aneurysms, 39; transplant, Total esophagectomy and esophagocoloplasty, 153; surgery, Resection of, or rectum for malignant neoplasm in patients 80 years of age and older, 385; tumors, Polyps of, ed. 496
Contrast media, conray 80 per cent, Experimental evaluation of new angiographic, 187
Correspondence, Investigation and management of intrathoracic goiter—correction, 780
Cough, Effect of site of operation and type of anesthesia upon ability to, in postoperative period, 295
Cranioplasty, See Cranium, surgery
Cranium, Craniocerebral injuries, 428; surgery, Long term evaluation of stainless steel cranioplasty, 453
Cyst, Results of surgical treatment of cystic hygroma, 319; Surgical management of precoccygeal, 449; and sinuses of first branchial cleft and pouch, 671; and tumors of mediastinum, 695

DEGLUTITION, Intraluminal study of motility, pressure, and hydrogen ion concentration of esophagus in various clinical conditions, 529
Dextran, Clinical physiological characterization of new, 199; Comparison of effects of several osmotic diuretic agents after acute hemorrhage in dog, 657
Diabetes mellitus, wounds healing in, Relation of strength to composition in diabetic, 437
Diagnosis, Relation of cholangiographic findings after cholecystectomy to clinical and surgical findings, 143; Investigation and management of intrathoracic goiter, 223, cor. 780; Postoperative detection of cancer by periodic mammography of remaining breast, 282; Congenital hypertrophic pyloric stenosis, 403; Surgical management of precoccygeal cysts, 449; Roentgenographic, of strangulating closed-loop obstruction of small intestine, 561; Intestinal ischemic necrosis following abdominal aortic surgery, 615; Postoperative rupture of esophagus, 677; Simple test to help identify origin of fistulous drainage, 774
Diagnosis, differential, Renal stones and parathyroids, 171; Roentgen, of postoperative ileus-obstruction, 421; and management of strangulated diaphragmatic hernias, 626; Surgical evidence of scleroderma, 745
Diarrhea, Physiological effects of extracts of, -producing nonbeta islet cell tumor of pancreas, 490
Diuresis and diuretics, Comparison of effects of several osmotic, agents after acute hemorrhage in dog, 657
Drainage, Simple test to help identify origin of fistulous, 774
Duodenum, tissue, Inhibitory effect of human duodenal filtrates upon growth of Walker-256 sarcoma, 177

EDEMA, Effect of cold water immersion on burn, in rabbits, 557; Effect of hydrostatic pressure on burn injury in rabbits, 621
Editorials, Human cancer—100 varieties, 104; Role of biomedical engineer in hospital, 106; Nature and quality of research in university department of surgery, 230; New valves for old, 233; Intrahepatic arterial anatomy of dog, 353; Cardiac surgery in developing countries, 355; All change is not progress, 494; Polyps of colon, 496; Limiting factors of graduate training in surgery, 643; Aftermath of socialized medicine in Great Britain, 645; Reality of apparent recent decline in stomach cancer mortality, 768
Education, medical and surgical, Nature and quality of research in university department of surgery, ed. 230; Surgical assistant, 245; Limiting factors of graduate training in surgery, ed. 643

Elbow, Early mobilization of joint in intra-articular fractures with special attention to, joint, 575
Electrolytes, Bone, response to intravenous acid loads, 749
Endarterectomy, See Arteries, surgery
Endocrine glands, ablation in disseminated mammary carcinoma, 215; 443
Endometrium, cancer, See Uterus, cancer
Enema, Preparation for sigmoidoscopy, 772
Engineers, Role of biomedical, in hospital, ed. 106
Erythrocytes, Passage of iron-labeled, from subarachnoid space, aqueous chamber, and other body cavities of dogs into systemic circulation, 392
Esophagus, cancer, excision, surgery, Total esophagectomy and esophagocoloplasty, 153; cancer, Influence of resection on natural history of carcinoma of hypopharynx, and proximal stomach, 162; hernia, Retractor for esophageal hiatus herniorrhaphy by abdominal approach, 361; hernia, Intraluminal study of motility, pressure, and hydrogen ion concentration of, in various clinical conditions, 529; hernia, Postoperative rupture of, 677
Extremities, blood supply, Bypass saphenous grafts for relief of venous obstruction of, 709
Eye, Passage of iron-labeled erythrocytes from subarachnoid space, aqueous chamber, and other body cavities of dogs into systemic circulation, 392

FEMUR, blood supply, Introduction of subcapital femoral circulation by autogenous muscle pedicle, 473
Fibrinolysis, Changes in plasma fibrinolytic parameters of subjects with incomplete abortion, 547
Fibula, Osteotomy of tibia and, 61
Fistula, urinary, vesicovaginal, Surgical treatment of, 484; Simple test to help identify origin of fistulous drainage, 774
Flaps, muscle, Musculoplasty closure for laryngectomy with neck dissection, 113; Single stoma skin, interposition cutaneous ureterostomy, 363; Surgical treatment of urinary fistulas, 484
Fluids, Passage of, cells, and bacteria via direct communications between lymph nodes and veins, 207
Fractures, hip, Cassette holder to be used in pinning, 359; treatment, Early mobilization of joint in intra-articular, with special attention to elbow joint, 575
Frostbite, Role of regional sympathectomy in early management of cold injury, 45

GALLBLADDER, surgery, Maneuvers to facilitate difficult biliary tract, 35; excision, Relation of cholangiographic findings after cholecystectomy to clinical and surgical findings, 143
Gastrointestinal tract, hemorrhage, Management of multiple, diffuse telangiectasia of small intestine, 56
Geriatrics, Resection of colon or rectum for malignant neoplasm in patients 80 years of age and older, 385
Glucose, Severe postoperative hyponatremia without symptoms of water intoxication, 553
Goiter, Investigation and management of intrathoracic, 223, cor. 780
Grafts, venous, Experimental vena caval anastomoses and, 49; skin, Prolonged, homograft survival in advanced cancer and cirrhosis of liver, 399; Introduction of subcapital femoral circulation by means of autogenous muscle pedicle, 473; vein, Femoral-internal carotid bypass as adjuvant in carotid thromboendarterectomy, 505; venous, Bypass saphenous, for relief of, obstruction of extremity, 709
Great Britain, National Health Service, Aftermath of socialized medicine in, ed. 645

HAND, Relation of median nerve compression to Sudeck's syndrome, 713
Head, Regional arterial chemotherapy of cancer of, and neck, 478
Heart, surgery, Heparin rebound phenomenon in extracorporeal circulation, 191; surgery, valves, New, for old, ed. 233; surgery, Peripheral venous cannulation in total cardiopulmonary bypass, 276; transplantation, Autotransplantation of canine, 299; surgery, Cardiac, in developing countries, ed. 355; block, surgery, Treatment of complete, with implanted, controllable pacemaker, 415; abnormalities and deformities, surgery, Experiences with extracorporeal circulation, 757
Hemorrhage, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12; Management of multiple, diffuse telangiectasia of small intestine, 56; Comparison of effects of several osmotic diuretic agents after acute, in dog, 657
Hemorrhoids, and carcinoma of rectum, 89
Heparin, Plan of heparinization of surgical patient to prevent postoperative thromboembolism, 75; rebound phenomenon in extracorporeal circulation, 191
Heredity, Intestinal polyposis associated with mucocutaneous pigmentation, 1
Hernia, inguinal, Permuscular nylon darn in, repair, 498; hiatal, Intraluminal study of motility, pressure, and hydrogen ion concentration of esophagus in various clinical conditions, 529; diaphragmatic, Diagnosis and management of strangulated, 626
Hips, fracture, Cassette holder to be used in pinning, 359
Hormones, Studies on postoperative antidiuresis in adrenalectomized patients, 312
Hospitals, personnel, Role of biomedical engineer in, 106; infections, Study on sources of postoperative staphylococcal, 266; Limiting factors of graduate training in surgery, ed. 643
Hydrogen ion concentration, Intraluminal study of motility, pressure, and, of esophagus in various clinical conditions, 529
Hydrostatic pressure, Effect of, on burn injury in rabbits, 621
Hygroma, Results of surgical treatment of cystic, 319
Hypertension, See Blood pressure, high
Hyponatremia, See Blood, sodium
Hypophyses cerebri, See Pituitary body

ILEUS, See Intestines, obstruction
Infants, surgery, Congenital hypertrophic pyloric stenosis, 403
Infection, hospital, Study on sources of postoperative staphylococcal, 266
Infusion, intra-arterial, Simplified technique of, for regional chemotherapy, 242; Regional arterial chemotherapy of cancer of head and neck, 478
Injections, antitumor, Inhibitory effect of human duodenal filtrates upon growth of Walker-256 sarcoma, 177
Instruments and apparatus, hospital equipment, Role of biomedical engineer in, ed. 106; Calibrated punch useful in end-to-side or side-to-side vascular anastomosis, 235; Bedside tracheostomy, 239; pressure infusion, Simplified technique of intra-arterial, for regional chemotherapy, 242; Cassette holder to be used in pinning hips, 359; Retractor for esophageal hiatus herniorrhaphy by abdominal approach, 361; Treatment of complete heart block with implanted, controllable pacemaker, 415; Intestinal intubation with aid of magnetic tube, 503; hinged clamp, Control of gastric mural circulation during gastric resection, 647
Intestine, tumors, Intestinal polyposis associated with mucocutaneous pigmentation, 1; hemangioma, Management of multiple, diffuse telangiectasia of small, 56; obstruction, Roentgen diagnosis of postoperative

ileus-, 421; Intestinal intubation with aid of magnetic tube, 503; obstruction, Roentgenographic diagnosis of strangulating closed-loop, of small, 561; obstruction, Experiences with primary resection for acute, of large, 593; blood supply, Intestinal ischemic necrosis following abdominal aortic surgery, 615; surgery, Diagnosis and management of strangulated diaphragmatic hernias, 626
Intubation, Intestinal, with aid of magnetic tube, 503
Iron, radioactive, See Radioactivity
Ischemia, Lumbar sympathectomy and claudication distance, 303

JOINT COMMITTEE on, Endocrine ablative procedures in disseminated mammary carcinoma, 215; 443
Joints, Early mobilization of, in intra-articular fractures with special attention to elbow, 575

KIDNEYS, transplantation, Studies of homotransplantation of, in dogs treated with experimental cancer chemotherapeutic agent (AB-103), 80; calculus, Renal stones and parathyroids, 171; physiology, Single stoma skin flap interposition cutaneous ureterostomy, 363; Reconstructive surgery of ureter, 633; physiology, Comparison of effects of several osmotic diuretic agents after acute hemorrhage in dog, 657; blood supply, transplantation, Anatomic observations on renal vessels in man with reference to, 682

LARYNX, excision, Musculoplasty closure for laryngectomy with neck dissection, 113
Leander, Richard, von Volkmann—, 776
Ligation and ligatures, Knot typing in surgery, 236
Liposarcoma, of superficial soft tissues, 609
Liver, cirrhosis, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12; blood supply, Intrahepatic arterial anatomy of dog, ed. 353; Caudate process and portacaval anastomosis, 356; cirrhosis, Prolonged skin homograft survival in advanced cancer and, of, 399; blood supply, Effect of, arterialization upon ammonia clearance, 704
Lungs, collapse, Effect of site of operation and type of anesthesia upon ability to cough in postoperative period, 295; collapse, Treatment of aspiration and atelectasis by tracheobronchial lavage, 721
Lymph nodes, Passage of fluids, cells, and bacteria via direct communications between, and veins, 207; cancer, Clinicopathologic study of surgically treated carcinoma of endometrium with nodal metastasis, 568

MAMMOGRAPHY, See Breast, roentgenography
Mannitol, Comparison of effects of several osmotic diuretic agents after acute hemorrhage in dog, 657
Mediastinum, Cysts and tumors of, 695
Medicine, history, Dr. John Brown and account of Ailie's operation, 118; Limiting factors of graduate training in surgery, ed. 643; socialized, Aftermath of, in Great Britain, ed. 645
Melanoma, See Tumors, melanoma
Mitral valves, New, for old, ed. 233; Peripheral venous cannulation in total cardiopulmonary bypass, 276; Cardiac surgery in developing countries, ed. 355
Mortality, Reality of apparent recent decline in stomach cancer, ed. 768
Mucous membrane, Intestinal polyposis associated with mucocutaneous pigmentation, 1
Muscles, Introduction of subcapital femoral circulation by means of autogenous, pedicle, 473

NAUSEA, Antiemetic efficacy of thiethylperazine upon postoperative, and vomiting, 604
Neck, surgery, Musculoplasty closure for laryngectomy with, dissection, 113; cancer, surgery, Posterolateral, dissection for malignant neoplasms, 369; Regional arterial chemotherapy of cancer of head and, 478; surgery, Temporal bone resection and radical, dissection for basal cell carcinoma with metastases, 585
Necrosis, Intestinal ischemic, following abdominal aortic surgery, 615
Nerves, median, Relation of, compression to Sudeck's syndrome, 713
Neutralization, In vivo and in vitro, of nitrogen mustard for use in cancer chemotherapy perfusion, 91; Heparin rebound phenomenon in extracorporeal circulation, 191
Nevus, Clinical study of 250 patients with malignant melanoma, 333
Nitrogen mustard, In vivo and in vitro neutralization of, for use in cancer chemotherapy perfusion, 91
Nylon, Permuscular, darn in inguinal hernial repair, 498

OLD AGE, See Geriatrics
Osteotomy, See Bone, surgery
Ovaries, excision, Endocrine ablation in disseminated mammary carcinoma, 443

PACEMAKER, Treatment of complete heart block with implanted, controllable, 415
Pancreas, Physiological effects of extracts of diarrhea-producing nonbeta islet cell tumor of, 490
Parathyroid glands, Renal stones and, 171
Peutz-Jeghers syndrome, Intestinal polyposis associated with mucocutaneous pigmentation, 1
Pharynx, Influence of resection on natural history of carcinoma of hypopharynx, esophagus, and proximal stomach, 162
Pigmentation, Intestinal polyposis associated with mucocutaneous, 1
Pituitary body, Endocrine ablation in disseminated mammary carcinoma, 215; Studies on postoperative antidiuresis in adrenalectomized patients, 312
Polyps, See Tumor, polyp
Portal vein, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12; Comparison of experimental portal hypertension in adult dogs and puppies, 327; Caudate process and portacaval anastomosis, 356
Potassium, Bone electrolyte response to intravenous acid loads, 749
Pregnancy, cancer in, Relation of carcinoma of breast and, in 283 patients, 65; blood in, Changes in plasma fibrinolytic parameters of subjects with incomplete abortion, 547
Progress, See Surgery, progress
Prosthesis, New valves for old, ed. 233
Protamine, Heparin rebound phenomenon in extracorporeal circulation, 191
Pylorus, hypertrophy and stenosis, Congenital, 403

RADIOACTIVITY, radioactive iron (FE^{59}), Passage of, labeled erythrocytes from subarachnoid space, aqueous chamber, and other body cavities of dogs into systemic circulation, 392
Radius, Early mobilization of joint in intra-articular fractures with special attention to elbow joint, 575
Raynaud's phenomenon, Surgical manifestations of scleroderma, 745
Rectum, blood vessels, cancer, Hemorrhoids and carcinoma of, 89; tumor, Villous, of, and sigmoid, 182; surgery, Resection of colon or, for malignant neoplasm in patients 80 years of age and older, 385; cancer, Experiences with primary resection for acute obstruction of large intestine, 593
Research, Nature and quality of, in university department of surgery, ed. 230

Retroperitonitis, Idiopathic fibrous, 737
Roentgenography, Cassette holder to be used in pinning hips, 359
Roentgen rays, therapy, Influence of resection on natural history of carcinoma of hypopharynx, esophagus, and proximal stomach, 162; contrast media, Experimental evaluation of new angiographic, 187; diagnosis, Postoperative detection of cancer by periodic mammography of remaining breast, 282; diagnosis, of postoperative ileus-obstruction, 421; diagnosis, Roentgenographic, of strangulating closed-loop obstruction of small intestine, 561

SARCOMA, Cystosarcoma phyllodes of breast, 29; Inhibitory effect of human duodenal filtrates upon growth of Walker-256, 177
Scleroderma, Surgical manifestations of, 745
Secretions, Treatment of aspiration and atelectasis by tracheobronchial lavage, 721
Shock, hemorrhagic, Clinical physiological characterization of new dextran, 199
Shunt, See Veins, surgery
Sigmoid, tumor, Villous, of rectum and, 182; Preparation for sigmoidoscopy, 772
Sinuses, Cysts and, of first branchial cleft and pouch, 671
Skin, grafts, Prolonged, homograft survival in advanced cancer and cirrhosis of liver, 399; Surgical manifestations of scleroderma, 745
Sodium, Bone electrolyte response to intravenous acid loads, 749
Sodium thiosulfate (ST), In vivo and in vitro neutralization of nitrogen mustard for use in cancer chemotherapy perfusion, 91
Specialization, Nature and quality of research in university department of surgery, ed. 230
Sphincter muscles, esophagogastric, Intraluminal study of motility, pressure, and hydrogen ion concentration of esophagus in various clinical conditions, 529
Spleen, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12
Staphylococcus, Study on sources of postoperative, infection, 266
Steel, Long term evaluation of stainless, cranioplasty, 453
Stokes-Adams disease, See Heart, block
Stomach, cancer, Influence of resection on natural history of carcinoma of hypopharynx, esophagus, and proximal, 162; secretions, Intraluminal study of motility, pressure, and hydrogen ion concentration of esophagus in various clinical conditions, 529; cancer, Results of surgery for, of, 543; blood supply, surgery, Control of gastric mural circulation during gastric resection, 647; cancer, Reality of apparent recent decline in, mortality, ed. 768
Struma lymphomatosa, See Thyroid, disease
Subarachnoid space, Passage of iron-labeled erythrocytes from, aqueous chamber, and other body cavities of dogs into systemic circulation, 392
Sudeck's syndrome, Relation of median nerve compression to, 713
Surgeon, qualifications and responsibilities, Nature and quality of research in university department of surgery, ed. 230; qualifications and responsibilities, Surgical assistant, 245; qualifications and responsibilities, Limiting factors of graduate training in surgery, ed. 643
Surgeon at Work, Role of frozen sections in carcinoma in situ of cervix, 108; Musculoplasty closure for laryngectomy with neck dissection, 113; Technique of carotid endarterectomy, 114; Calibrated punch useful in end-to-side or side-to-side vascular anastomosis, 235; Knot tying in surgery, 236; Bedside tracheostomy, 239; Simplified technique of intra-arterial infusion for regional chemotherapy, 242; Caudate process and portacaval anastomosis, 356; Cassette holder to be used in pinning hips, 359; Retractor for esophageal hiatus herniorrhaphy by abdominal approach, 361; Single stoma skin flap interposition cutaneous ureterostomy, 363; Posterolateral neck dissection for malignant neoplasms, 369; Permuscular nylon darn in inguinal hernial repair, 498; Technique of intravenous abdominal aortography, 501; Intestinal intubation with aid of magnetic tube, 503; Femoral-internal carotid bypass as adjuvant in carotid thromboendarterectomy, 505; Aseptic closure of appendiceal stump, 508; Control of gastric mural circulation during gastric resection, 647; Technique of lateral thoracotomy, 649; Adjustable secondary wound closure, 651; Correction of anomalous pulmonary venous drainage of superior vena cava, 770; Preparation for sigmoidoscopy, 772; Simple test to help identify origin of fistulous drainage, 774
Surgery, technique, Maneuvers to facilitate difficult biliary tract, 35; Experimental, vena caval anastomoses and grafts, 49; postoperative complications, Prediction of wound disruption by use of healing ridge, 72; blood in, Plan of heparinization of surgical patient to prevent postoperative thromboembolism, 75; experimental, Studies of homotransplantation of kidney in dogs treated with, cancer chemotherapeutic agent (AB-103), 80; technique, Musculoplasty closure for laryngectomy with neck dissection, 113; Technique, of carotid endarterectomy, 114; mortality, Influence of resection on natural history of carcinoma of hypopharynx, esophagus, and proximal stomach, 162; experimental, Inhibitory effect of human duodenal filtrates upon growth of Walker-256 sarcoma, 177; ablative, Endocrine ablation in disseminated mammary carcinoma, 215; principles and surgical practice, Nature and quality of research in university department of, ed. 230; technique, Calibrated punch useful in end-to-side or side-to-side vascular anastomosis, 235; technique, Knot tying in, 236; technique, Bedside tracheostomy, 239; principles and surgical practice, Surgical assistant, 245; blood in, preoperative care, Evaluation of, volume determination in debilitated surgical patient, 257; postoperative complications, Study on sources of, staphylococcal infection, 266; technique, Peripheral venous cannulation in total cardiopulmonary bypass, 276; postoperative complications, Effect of site of operation and type of anesthesia upon ability to cough in, period, 295; experimental, Autotransplantation of canine heart, 299; postoperative complications, Studies on, antidiuresis in adrenalectomized patients, 312; experimental, Comparison of, portal hypertension in adult dogs and puppies, 327; technique, Management of extensively burned patients by staged excision, 347; experimental, Intrahepatic arterial anatomy of dog, ed. 353; progress, Cardiac, in developing countries, ed. 355; technique, Retractor for esophageal hiatus herniorrhaphy by abdominal approach, 361; technique, Posterolateral neck dissection for malignant neoplasms, 369; postoperative complications, Roentgen diagnosis of, ileus-obstruction, 421; experimental, Relation of strength to composition in diabetic wounds, 437; ablative, Endocrine ablation in disseminated mammary carcinoma, 443; experimental, Introduction of subcapital femoral circulation by means of autogenous muscle pedicle, 473; technique, Surgical treatment of urinary fistulas, 484; progress, technique, All change is not, ed. 494; technique, Permuscular nylon darn in inguinal hernial repair, 498; technique, Aseptic closure of appendiceal stump, 508; Results of, for cancer of stomach, 543; end results, Experiences with primary resection for acute obstruction of large intestine, 593; postoperative

complications, Antiemetic efficacy of thiethylperazine upon, nausea and vomiting, 604; training, Limiting factors of graduate, in, ed. 643; Technique, of lateral thoracotomy, 649; technique, Adjustable secondary wound closure, 651; experimental, Comparison of effects of several osmotic diuretic agents after acute hemorrhage in dog, 657; postoperative complications, rupture of esophagus, 677; technique, Anatomic observations on renal vessels in man with reference to kidney transplantation, 682; technique, Treatment of aspiration and atelectasis by tracheobronchial lavage, 721; technique, Correction of anomalous pulmonary venous drainage to superior vena cava, 770

Sutures, Adjustable secondary wound closure, 651

Sympathectomy, Role of regional, in early management of cold injury, 45; Lumbar, and claudication distance, 303; Experimental study of effect of, on patency of small blood vessel anastomoses, 462

TELANGIECTASIA, Management of multiple, diffuse, of small intestine, 56

Temporal bone, resection and radical neck dissection for basal cell carcinoma with metastases, 585

Tendon, surgery, Healing following, suture and, transplants, 467

Terminology, Reality of apparent recent decline in stomach cancer mortality, ed. 768

Thiethylperazine, Antiemetic efficacy of, upon postoperative nausea and vomiting, 604

Thorax, Investigation and management of intrathoracic goiter, 223, cor. 780; surgery, Peripheral venous cannulation in total cardiopulmonary bypass, 276; surgery, Technique of lateral thoracotomy, 649

Thromboembolism, Plan of heparinization of surgical patient to prevent postoperative, 75

Thromboendarterectomy, See Arteries, surgery

Thrombosis, Experimental study of effect of sympathectomy on patency of small blood vessel anastomoses, 462

Thyroid, cancer, disease, Incidence of, in struma lymphomatosa, 101; Investigation and management of intrathoracic goiter, 223, cor. 780

Tibia, Osteotomy of, and fibula, 61

Tissue, sections, Role for frozen, in carcinoma in situ of cervix, 108; Liposarcoma of superficial soft, 609

Trachea, surgery, Bedside tracheostomy, 239; Treatment of aspiration and atelectasis by tracheobronchial lavage, 721

Transplantation, kidney, Studies of homotransplantation of, in dogs treated with experimental cancer chemotherapeutic agent (AB-103), 80; heart, Autotransplantation of canine, 299; tendon, Healing following, suture and, transplants, 467; kidney, Anatomic observations on renal vessels in man with reference to, 682

Trauma, Role of regional sympathectomy in early management of cold injury, 45; Craniocerebral injuries, 428

Tumors, polyps, Intestinal polyposis associated with mucocutaneous pigmentation, 1; Cystosarcoma phyllodes, of breast, 29; adenoma, Renal stones and parathyroids, 171; carcinosarcoma, Inhibitory effect of human duodenal filtrates upon growth of Walker-256 sarcoma, 177; Villous, of rectum and sigmoid, 182; tumors, melanoma, Clinical study of 250 patients with malignant, 333; teratoma, Surgical management of precoccygeal cysts, 449; Physiological effects of extracts of diarrhea-producing nonbeta islet cell, of pancreas, 490; adenoma, Polyps, of colon, ed. 496; Liposarcoma, of superficial soft tissues, 609; Cysts and, of mediastinum, 695

UREA, Simple test to help identify origin of fistulous drainage, 774

Ureters, surgery, Single stoma skin flap interposition cutaneous ureterostomy, 363; surgery, Reconstructive, of, 633; obstruction, Idiopathic fibrous retroperitonitis, 737

Urethra, Experimental and clinical studies of urethral regeneration, 729

Uterus, cancer, Clinicopathologic study of surgically treated carcinoma of endometrium with nodal metastasis, 568

Uterus, cervix, cancer, Role for frozen sections in carcinoma in situ of, 108

Urine, diversion, Single stoma skin flap interposition cutaneous ureterostomy, 363; diversion, Reconstructive surgery of ureter, 633

VASOMOTOR SYSTEM, Surgical manifestations of scleroderma, 745

Veins, surgery, Choice of shunt procedure for cirrhotic patients with variceal bleeding, ascites, and hypersplenism, 12; anatomy, Variations in inferior caval, and in their renal and lumbar communications, 131; Passage of fluids, cells, and bacteria via direct communications between lymph nodes and, 207; cannulation, Peripheral venous, in total cardiopulmonary bypass, 276; surgery, portacaval shunt, Caudate process and, anastomosis, 356; portacaval shunt, Effect of liver arterialization upon ammonia clearance, 704; saphenous, Bypass, grafts for relief of venous obstruction of extremity, 709; pulmonary, Correction of anomalous, venous drainage to superior vena cava, 770

Venae cavae, anastomosis, grafts, Experimental, and, 49; Variations in inferior caval veins and in their renal and lumbar communications, 131; Caudate process and portacaval anastomosis, 356; Correction of anomalous pulmonary venous drainage to superior, 770

Volkmann, Richard von, —Leander, 776

Vomiting, Antiemetic efficacy of thiethylperazine upon postoperative nausea and, 604; Postoperative rupture of esophagus, 677

WAR, Craniocerebral injuries, 428

Water, retention, Studies on postoperative antidiuresis in adrenalectomized patients, 312; Severe postoperative hyponatremia without symptoms of, intoxication, 553; Effect of cold, immersion on burn edema in rabbits, 557; Effect of hydrostatic pressure on burn injury in rabbits, 621

Wound, healing, Prediction of, disruption by use of, ridge, 72; infections, Study on sources of postoperative staphylococcal, 266; healing, Some aspects of fibrogenesis during, of primary and secondary, 408; tensile strength, Some aspects of fibrogenesis during healing of primary and secondary, 408; war, Craniocerebral injuries, 428; healing, Relation of strength to composition in diabetic, 437; tensile strength, Relation of, to composition in diabetic, 437; Healing, following tendon suture and tendon transplants, 467; Adjustable secondary, closure, 651

INDEX TO BOOK REVIEWS

BACON, HARRY E., and RECIO, PORFIRIO MAYO. Surgical Anatomy of the Colon, Rectum, and Anal Canal, foreword by Alexander Brunschwig, with contributions by Teodoro P. Nuguid, 652

BAILEY, HAMILTON. Pye's Surgical Handicraft, edited by Hamilton Bailey, 18th ed., Vol. I, 653

BANNERMAN, ROBIN M. Thalassemia; a Survey of Some Aspects, 123

BATTEN, R. L. The Surgery of Trauma in the Tropics, with a chapter on anaesthetics by J. V. Farman, 374

BILLINGHAM, R. E., and SILVERS, WILLYS K. Transplantation of Tissues and Cells, edited by R. E. Billingham and Willys K. Silvers, 250

BONSER, GEORGIANA M., DOSSETT, JOHN A., and JULL, JOHN W. Human and Experimental Breast Cancer, 250

BRAUNSTEINER, HERBERT. The Physiology and Pathology of Leukocytes, American Edition prepared and revised by Dorothea Zucker-Franklin. Edited by Herbert Braunsteiner, 654

BROWN, JOSIAH, and PEARSON, CARL M. Clinical Uses of Adrenal Steroids, edited by Josiah Brown and Carl M. Pearson, 124

BULL, JAMES, and MCKISSOCK, WYLIE. An Atlas of Positive Contrast Myelography, 125

COLE, WARREN H., MCDONALD, GERALD O., ROBERTS, STUART S., and SOUTHWICK, HARRY W. Dissemination of Cancer; Prevention and Therapy, 251

DOUGLAS, A. S. Anticoagulant Therapy, 655

DOYLE, JOHN E. Extracorporeal Hemodialysis Therapy in Blood Chemistry Disorders, 654

EPSTEIN, BERNARD S. The Spine; a Radiological Text and Atlas, 2nd ed., 123

FIELDS, WILLIAM S., and DESMOND, MURDINA M. Disorders of the Developing Nervous System, compiled and edited by William S. Fields and Murdina M. Desmond, 374

FINNEY, LOUIS A., and WALKER, A. EARL. Transtentorial Herniation, 252

FOSTER, JOHN. Ophthalmic Operations, by Seymour Philps, 2nd ed., by John Foster, 124

GROLLMAN, ARTHUR. Pharmacology and Therapeutics; a Textbook for Students and Practitioners of Medicine and Its Allied Professions, 125

HARKINS, HENRY N., and NYHUS, LLOYD M. Surgery of the Stomach and Duodenum, edited by Henry N. Harkins and Lloyd M. Nyhus, 652

LAZARUS, SIDNEY S., and VOLK, BRUNO W. The Pancreas in Human and Experimental Diabetes, 653

LINDSKOG, GUSTAF E., LIEBOW, AVERILL A., and GLENN, WILLIAM W. L. Thoracic and Cardiovascular Surgery with Related Pathology, 653

LISSER, H., and ESCAMILLA, ROBERTO F. Atlas of Clinical Endocrinology, 2nd ed., 124

LUISADA, ALDO A. Cardiovascular Functions, edited by Aldo A. Luisada, 779

MAGEE, D. F. Gastro-Intestinal Physiology, 779

MAYO, CHARLES W. Surgery of the Small and Large Intestine; a Handbook of Operative Surgery, 2nd ed., 125

MEADE, RICHARD H. A History of Thoracic Surgery, edited by Richard H. Meade, 377

MONTAGU, M. F. ASHLEY. Prenatal Influences, 375

NARDI, GEORGE L., and ZUIDEMA, GEORGE D. Surgery; a Concise Guide to Clinical Practice, by 23 authors. Edited by George L. Nardi and George D. Zuidema, 511

NIXON, H. H., and O'DONNELL, BARRY. The Essentials of Paediatric Surgery, 123

O'DONNELL, WALTER E., DAY, EMERSON, and VENET, LOUIS. Early Detection and Diagnosis of Cancer, 376

O'DONOGHUE, DON H. Treatment of Injuries to Athletes, 779

PATON, R. TOWNLEY, SMITH, BYRON, and KATZIN, HERBERT M. Atlas of Eye Surgery, 2nd ed., 655

REDO, S. FRANK. The Surgery of the Ambulatory Child, 252

SADOVE, MAX S., and WALLACE, VERNON E. Halothane, 251

SARNAT, BERNARD G., and LASKIN, DANIEL M. Diagnosis and Surgical Management of Diseases of the Temporomandibular Joint, 376

SCHUKNECHT, HAROLD F. Otosclerosis; Henry Ford Hospital International Symposium, edited by Harold F. Schuknecht, 376

SELYE, HANS. Calciphylaxis, 652

SERCER, A., and MÜNDNICH, K. Plastische Operationen an der Nase und an der Ohrmuschel, 375

SKANDALAKIS, JOHN E., and GRAY, STEPHEN W., with DUNCAN SHEPARD and GEOFFREY H. BOURNE. Smooth Muscle Tumors of the Alimentary Tract; Leiomyomas and Leiomyosarcomas; a Review of 2,525 Cases, 779

SLOME, D. Wound Healing, edited by D. Slome, 510

STOREY, CLIFFORD F. Acquired Surgical Lesions of the Esophagus, foreword by Alton Ochsner, 377

TANNER, NORMAN C., and SMITHERS D. W. Neoplastic Disease at Various Sites; Tumours of the Oesophagus, edited by Norman C. Tanner and D. W. Smithers, Vol. IV, 374

TE LINDE, RICHARD W. Operative Gynecology, 3rd ed., 375

THOMAS, HUGH OWEN. Diseases of the Hip, Knee, and Ankle Joints. A facsimile reproduction of the second edition including the preface and introduction to the third edition and a biographical note by Leonard F. Peltier, 250

WELLER, S., and KÖHNLEIN, E. Die Traumatologie des Kniegelenks; Diagnostik und Therapie, 654

WESOLOWSKI, SIGMUND ADAM. Evaluation of Tissue and Prosthetic Vascular Grafts, 510

WILLIAMS, ROBERT H. Textbook of Endocrinology, edited by Robert H. Williams with contributions by 21 authorities, 3rd ed., 251

WINSBURY-WHITE, H. P. Textbook of Genito-Urinary Surgery, edited by H. P. Winsbury-White, assisted by J. D. Fergusson, 2nd ed., 123

WOOD-SMITH, F. G., and STEWART, H. C. Drugs in Anaesthetic Practice, with contributions by C. L. Cope and P. J. Horsey, 656